

Application No.: 09/303,216
Office Action dated April 16, 2007
Response to Office Action dated October 16, 2007

Listing of Claims:

1. (previously presented) A crystallizable composition capable of producing crystals for use in X-ray crystallography comprising:
 - a. an HCV NS3 helicase protein selected from SEQ ID NO:2; fragments of SEQ ID NO:2 comprising at least amino acids 183 to 582; mutants of SEQ ID NO:2 containing one or more of the following amino acid substitutions: Ser231-to-Ala, Thr269-to-Ala, Ser370-to-Ala, Thr411-to-Ala, Trp501-to-Phe, Trp501-to-Leu or Trp501-to-Ala, Gln460-to-Ala, Arg461-to-Ala, Arg462-to-Ala, Arg464-to-Ala, or Arg467-to-Ala; or fragments of SEQ ID NO:2 comprising at least amino acids 183 to 582 and containing one or more of the following amino acid substitutions: Ser231-to-Ala, Thr269-to-Ala, Ser370-to-Ala, Thr411-to-Ala, Trp501-to-Phe, Trp501-to-Leu or Trp501-to-Ala, Gln460-to-Ala, Arg461-to-Ala, Arg462-to-Ala, Arg464-to-Ala, or Arg467-to-Ala; and
 - b. a single stranded dU oligonucleotide consisting of between 6 and 12 nucleotides.
2. (previously presented) The composition according to claim 1, wherein said HCV NS3 helicase protein comprises amino acids 167-631 of SEQ ID NO:2.
3. (previously presented) A crystallized complex for use in X-ray crystallography comprising:

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a. an HCV NS3 helicase protein selected from SEQ ID NO:2; fragments of SEQ ID NO:2 comprising at least amino acids 183 to 582; mutants of SEQ ID NO:2 containing one or more of the following amino acid substitutions: Ser231-to-Ala, Thr269-to-Ala, Ser370-to-Ala, Thr411-to-Ala, Trp501-to-Phe, Trp501-to-Leu or Trp501-to-Ala, Gln460-to-Ala, Arg461-to-Ala, Arg462-to-Ala, Arg464-to-Ala, or Arg467-to-Ala; or fragments of SEQ ID NO:2 comprising at least amino acids 183 to 582 and containing one or more of the following amino acid substitutions: Ser231-to-Ala, Thr269-to-Ala, Ser370-to-Ala, Thr411-to-Ala, Trp501-to-Phe, Trp501-to-Leu or Trp501-to-Ala, Gln460-to-Ala, Arg461-to-Ala, Arg462-to-Ala, Arg464-to-Ala, or Arg467-to-Ala; and a single-stranded dU oligonucleotide consisting of between 6 and 12 nucleotides.